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Overview

Capital Improvement Plan Introduction

The City of Manistee FY 2017-2022 Capital Improvement Plan (CIP) is presented on the following pages. The CIP is a rolling six year plan for capital improvements throughout the City. The plan presents capital needs of the City and is in alignment with the goals and priorities set forth in the Strategic Plan. The CIP has been extended from five years to six years in order to meet the requirements of the Redevelopment Ready Communities program. The CIP ensures that the City is forward-looking and proactive in identifying areas of needed capital investment.

Current year items identified in the CIP are incorporated in the proposed budget. The outlying years serve as an important planning tool, identifying areas that will need resources in the future. Since the plan is forward-looking, it is subject to available funding, changing priorities and unanticipated events. Since years 2-6 are a planning tool only, Council approval of this plan does not have the effect of appropriating money for these projects.

For the purpose of this plan, a capital expenditure is any project that costs in excess of \$5,000, has an estimated useful life greater than one year and is either new, an addition or significant improvement (as opposed to a repair). This includes a wide array of items, ranging from vehicles to equipment to infrastructure items to physical structures. Street resurfacing projects would typically not be capitalized, but are listed here for transparency. Each project identified has a project justification statement. This project statement consists of the following parts:

Project Title: This indicates the name of the project.

Department: Which department or operating area is the capital improvement related to.

Year: Which fiscal year is the project expected to be started. When a project spans multiple years, this will be indicated in the text of the statement.

Estimated Project Cost: Total estimated project cost, even if it will be financed over time.

Project Description: A brief description of what the project or expenditure is.

Project Justification\Case Statement: An explanation of why the project or expenditure is important and why it should be funded.

Impact on Operating Expenses: An estimate of how this project or expenditure impacts City operating expenses.

Funding Source & Financing Method: An indication where funds will come from to pay for the project or expenditure and how it may be financed.

Funding Notes: This is an elaboration on the funding source or financing method.



Overview

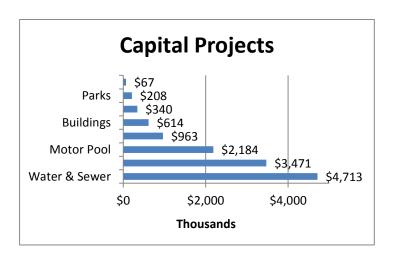
Capital Projects Summary

The total estimated cost of all capital projects in the six year plan is \$12,558,300 and is summarized in the following figures.

Capital Projects by Type

Water & Sewer	\$4,713,000
Streets	\$3,471,000
Motor Pool	\$2,183,800
General Government	\$962,500
Buildings	\$614,000
Boat Launch	\$340,000
Parks	\$207,500
Marina	\$66,500

Total \$12,558,300



Capital Projects by Year

FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2022

\$2,288,300 \$1,140,500 \$2,644,000 \$3,554,500 \$1,408,500 \$1,522,500



General Government Capital Projects Summary

General government capital projects are those that are general in nature and impact the whole City operations, or those that relate to General Fund activities. The total estimated cost of all general government capital projects in the six year plan is summarized below.

General Government	ear 1 2017	_	ear 2 7 2018	Year 3 Y 2019	Year 4 FY 2020		ear 5 7 2021	Year 6 -Y 2022		Total
FEMA Grant Match File Server & Software	\$ 6,000			\$ 10,500		\$	11,000		\$ \$	6,000 - 21,500
New Accounting Software Replace Fire Ladder Truck		\$	35,000	\$ 900,000					\$ \$ \$ \$ \$ \$	35,000 - 900,000
Total	\$ 6,000	\$	35,000	\$ 910,500	\$ -	\$	11,000	\$ _	\$	962,500



General Government Capital Projects

Project Title: Grant Match for a FEMA Grant to Fund a Jaws Tools and Lucas CPR unit

Department: Fire\EMS

Year: FY 2017

Estimated Project Cost: \$6,000

Project Description: Adding additional equipment

Project Justification\Case Statement:

The fire department has applied for a federal grant in the amount of \$60,000 from the FEMA aid to firefighters program. The grant would fund the purchase of a Lucas automatic CPR device and a set of Jaws cutting tools. The grant requires a 10% local match. I have applied to the LRSB for the grant matching funds. This money would only be necessary of the grant from FEMA is awarded and the LRSB grant request is denied.

Impact on Operating Expenses: It is possible we would respond to more events and treat more critical patients which could result in some overtime costs; offset by additional billings.





Funding Source:	Financing Method:
	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan

Funding Notes: Paid for by a combination of FEMA grant plus either LRSB grant or Capital improvement fund for the grant match.

General Government Capital Projects

Project Title: File Server & Software

Department: Finance

Year: FY 2019 & FY 2021 (replace second server)

Estimated Project Cost: \$10,500

Project Description: The City intends to replace the six year-old application & file server. This server is the main application and file server for the City. The new server will be more powerful and have newer software and technology.

Project Justification\Case Statement: The current file server is at the end of its expected useful life and has older software and some performance issues. It is a best practice to keep our file servers current



with technology to enhance efficiency and productivity. This file server is critical to City operations, and if it were to fail, would effectively shut down City Hall and other City operations.

Impact on Operating Expenses: The new server should reduce the amount of time spent maintaining the server.

Funding Source:	Financing Method:
	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan

Funding Notes: This item will be procured thru our vendor of record.



General Government Capital Projects						
Project Title: Accounting Softwa	are					
Department: Finance						
Year: FY 2018						
Estimated Project Cost: \$35,000)					
Project Description: Replacemen	nt of current accounting software.					
accounting software. Recently, the updating their software with new for the product with something that is	ement: The City currently uses Tyler Technology fund balance ne company has been less active in keeping their product current and features and functionality. Support has been spotty. It is time to replace more robust and offers greater features both internally and externally. This would likely result in somewhat higher annual maintenance costs and efficiency.					
Funding Source:	Financing Method:					
 ☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant 	□ Cash Installment □ Bank Installment Purchase □ Bond Issue □ Internal Loan					
Funding Notes:						

General Government Capital Projects

Project Title: Ladder 651 Replacement

Department: Fire\EMS

Year: FY 2019 or later

Estimated Project Cost: \$900,000

Project Description: Replace aging ladder truck

Project Justification\Case Statement: The existing ladder truck, purchased in 1997, is nearing the end of its useful service life. Over the past few years, problems with the hydraulic



system have caused the truck to be out of service for periods of time. Recently, the truck was sent back to the vendor, and they believe that they have finally solved this problem. If it is fixed properly, that should delay the need for replacement for a few years. As the truck ages, the cost of repairs is increasing.

Impact on Operating Expenses: A new truck would likely decrease maintenance expenses and should otherwise have minimal impact on operating expenses.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan☐
Grant	

Funding Notes: The last purchase was made thru issuing an unlimited tax general obligation bond. The bond was paid for by an increased millage, approved by the voters, over 10 years. A replacement truck would have to be paid for in a similar manner. Without new revenues, it is not feasible to replace the truck.



Parks Capital Projects Summary

Parks capital projects are those that are directly related to improvements in the City's extensive park system. The total estimated cost of all general government capital projects in the six year plan is summarized below.

Parks	ear 1 2017	Year 2 Y 2018	ı	Year 3 FY 2019	ı	Year 4 FY 2020		Year 5 FY 2021	Year 6 Y 2022		Total
Morton Park Improvements Park Amenities Fifth Avenue Beach Improvements First Street Beach Improvements Playground Equipment	\$ 8,000	\$ 16,000 7,500		16,000 7,500 25,000 15,000	\$	7,500 25,000	\$ \$ \$	7,500 25,000 15,000	\$ 7,500 25,000	55555555	40,000 37,500 50,000 50,000 30,000 - - -
Total	\$ 8,000	\$ 23,500	\$	63,500	\$	32,500	\$	47,500	\$ 32,500	\$	207,500

The community has undertaken an extensive process to develop Beach Conceptual plans for the City beach areas. This ambitious project was to design a plan to have world class beaches. Of course, world class beaches carry a world class price tag. As funds allow, components of the plans will be implemented.

Parks Capital Projects						
Project Title: Morton Park Ir	nprovements					
Department: Parks						
Year: FY 2017						
Estimated Project Cost: \$40,0	000					
Project Description: Addition and picnic areas.	of age appropriate playground structures, parking lot, fenced dog run					
	tement: The City Parks Commission began looking for locations to add This effort eventually led to Morton Park and concepts for improving the					
conceptual project. Morton has is considering acquiring equip	es: The Parks Commission reached out to Morton Salt Company on the expressed interest in providing in-kind labor and contracting services and ment. The park improvements would be implemented only as outside. The impact of future maintence would include replacing mulch and ent ages.					
Funding Source:	Financing Method:					
☐ Capital Improvement Fund ☐ Water & Sewer Utility ☐ Marina ☐ Boat Ramp ☐ Grant	 ☐ Cash ☐ Cash Installment ☐ Bank Installment Purchase ☐ Bond Issue ☐ Internal Loan 					

Funding Notes: It is hoped Morton Salt will fund all of the improvements.



Parks Capital Projects						
Project Title: Park Amenities						
Department: Parks						
Year: FY 2018 - 2022		The state of the s				
Estimated Project Cost: \$7,500 per year						
Project Description: Replacement or addition of benches, picnic tables, grills and bike racks.						
	ment: Many of the parks in the City need to and bike racks replaced or added in order to en					
Impact on Operating Expenses:	Operating expenses will not be impacted.					
Funding Source:	Financing Method:					
□ Capital Improvement Fund □ Water & Sewer Utility □ Marina □ Boat Ramp □ Grant	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan					
Funding Notes:						

Parks Capital Projects

Project Title: Fifth Avenue Beach Picnic Area

Department: Parks

Year: FY 2020

Estimated Project Cost: \$25,000

Project Description: It is desired to cleanup and re-create picnicking opportunities in the vicinity of the former NIA building.



Project Justification\Case Statement: The portion of the park just north of Coast Guard Station Manistee and south of the beach house has fallen into a state of disrepair. The budgeted money will be utilized to explore new amenities to complement the sidewalk work that was previously installed in 2015. Two 10 x 20 and one 20 x 40 shade structures with concrete pads are planned for 2016. Further discussion will be needed to decide what else to do with this area.

Impact on Operating Expenses: These new facilities will increase maintenance costs.

Funding Source:	Financing Method:
	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
Grant	

Funding Notes: Emergency Riverwalk repairs that are needed may necessitate using this funding instead of purchasing the shade structures.

Parks Capital Projects

Project Title: First Street Beach Picnic Shelter Area Improvements

Department: Parks

Funding Sources

Year: FY 2019 and FY 2021

Estimated Project Cost: \$25,000 each year, as funds allow

Project Description: With the planting of dune grass to stabilize drifting sand, the City can improve the picnic shelter area by



addressing parking, removing excess sand, remove dead trees, strategic pouring of sidewalks, renovating structures, planting of grass, installation of new picnic grills, and installation of sprinkling systems. This funding will only start the process.

Project Justification\Case Statement: The City of Manistee has completed a Beach Conceptual Plan. The primary goal is to improve both the aesthetics and use of the picnic shelter area by placement of strategic sidewalks and planting of grass. Due to the sandy conditions, it will be imperative for the area to have a sprinkling system.

Impact on Operating Expenses: This grassy area will require more mowing and annual edging of the sidewalks, but should reduce the number of staff hours used to remove sand. The increased use and aesthetic improvement will be worth the potential increase in staff maintenance.

Financing Mathad.

runding Source.	rmancing Method.
	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
Scant Grant	

Funding Notes: Staff will research funding opportunities over the next few years. Some grant funds may be available, but would need to be the right fit. We will also look at partnering with other local units of government and\or the County.

Parks Capital Projects

Project Title: Playground Equipment

Department: Parks

Year: FY 2019 & FY 2022

Estimated Project Cost: \$15,000 each year

Project Description: Replace\upgrade playground

equipment in our Parks, as funds allow.

Project Justification\Case Statement: Some City playground equipment could stand to be upgraded. Although \$15,000 will not buy much playground equipment, it will help address some needs.



Impact on Operating Expenses: Operating expenses should be similar to the cost of maintaining existing equipment.

Funding Source:	Financing Method:
☐ Capital Improvement Fund	⊠ Cash
☐ Water & Sewer Utility	Cash Installment
☐ Marina	Bank Installment Purchase
☐ Boat Ramp	☐ Bond Issue
⊠ Grant	Internal Loan

Funding Notes: Will try and leverage grants as possible.



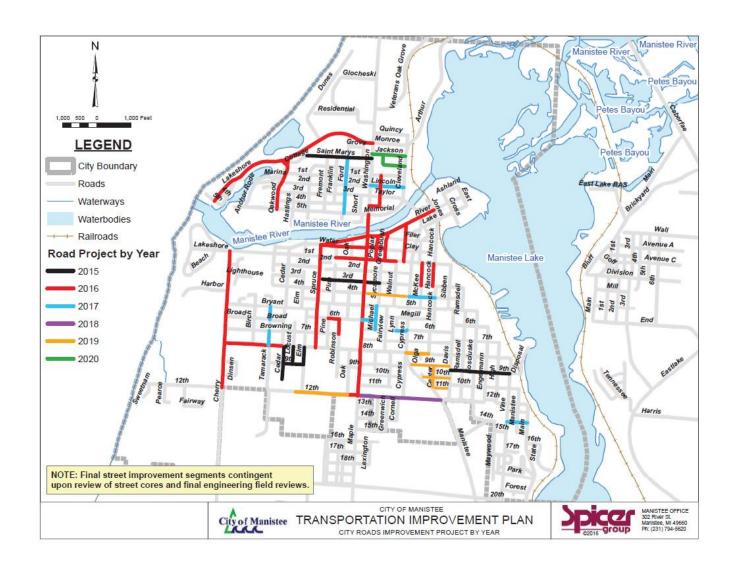
Streets Capital Projects Summary

Streets capital projects are those that are directly related to improvements in the City's street network. The total estimated cost of all street projects in the five year Transportation Improvement Plan is summarized below.

Streets	Year 1 -Y 2017	Year 2 Y 2018	Year 3 FY 2019	Year 4 FY 2020	Year 5 FY 2021		ear 6 Y 2022	Total
Crack Seal	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$	20,000	\$ 120,000
Crack Sealing Machine	\$ 75,000							\$ 75,000
TIP Year 1	\$ 474,000							\$ 474,000
TIP Year 2		\$ 440,000						\$ 440,000
TIP Year 3			\$ 790,000					\$ 790,000
TIP Year 4				\$ 1,032,000				\$ 1,032,000
TIP Year 5					\$ 540,000			\$ 540,000
						TBD)	\$ -
Total	\$ 569,000	\$ 460,000	\$ 810,000	\$ 1,052,000	\$ 560,000	\$	20,000	\$ 3,471,000

The City has adopted a state-approved Street Asset Management Plan. It updates this plan every five years and uses the asset management principles established in the plan to assist in creating a rolling Transportation Improvement Plan. The Asset Management Plan represents a "best practice" and has been recognized by the State of Michigan as a model. Implementation will help stretch the City's scarce street dollars.

Additional discussion regarding Streets and the TIP can be found in the FY 2017 budget and the map on the following page.



Streets Capital Projects

Project Title: Streets Crack Sealing

Department: DPW

Year: FY 2017 – FY 2022, ongoing

Estimated Project Cost: \$20,000 per year

Project Description: Crack sealing various streets as indicated by the Street Asset Management Plan. The goal is to do eligible streets; up to 1/4 to 1/3 of the town each year.



Project Justification\Case Statement: Crack sealing is

a cost effective way of preserving and extending the life of our streets. It seals water out and prevents heaving and additional cracking.

Impact on Operating Expenses: Crack sealing will delay the need to reconstruct streets, making our street resources go farther.

Funding Source:	Financing Method:
Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp Count	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan
Grant	

Funding Notes: A request has been made to purchase a crack\asphalt sealing machine in the FY 2017 budget. The equipment would reduce or eliminate contracted costs.

Streets Capital Projects

Project Title: Crack Sealing Machine

Department: DPW

Year: FY 2017

Estimated Project Cost: \$75,000

Project Description: Purchase of a Crack Sealing Machine for preventative maintenance on City Streets.



Project Justification\Case Statement: Street asset management principles have shown that preventative maintenance techniques are very cost effective in prolonging the life of asphalt streets. As such the City began a crack sealing program which has allocated approximately \$20,000 annually. Contracting these services allows approximately 25-30 % of the street network to be completed each year. In the past, the City has also partnered with the County Road Commission to reduce costs and/or expand the miles of streets completed. Currently, the County Road Commission is experiencing financial challenges and is reluctant to continue the partnership at this time. We feel that purchasing the equipment and completing the work in-house would provide the best opportunity to preserve our streets.

Impact on Operating Expenses: The materials required will be purchased from the street funds. Maintenance on the equipment will need to be absorbed into the existing budgets.

runding Source:	rmancing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
Grant	

Funding Notes: MDOT allows equipment to be purchased by the street funds, as long as it is reported on the Act 51 report. This changed relatively recently and will provide the City more flexibility.

Streets Capital Projects

Project Title: FY 2017 Transportation Improvement Plan

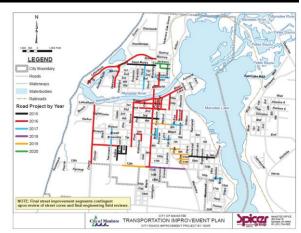
Department: DPW

Year: FY 2017

Estimated Project Cost: \$474,000

Project Description: Light rehab thru micro surfacing on various streets as identified in the TIP. Approximately 6.03 miles of Major Streets will be treated.

Project Justification\Case Statement: Maintaining and funding a TIP is a high priority for Council and has been incorporated into the proposed budget.



Impact on Operating Expenses: Should improve PASER ratings and reduce street maintenance needs.

Funding Source:	Financing Method:
	 ☐ Cash ☐ Cash Installment ☐ Bank Installment Purchase ☐ Bond Issue ☐ Internal Loan ☐ Other

Funding Notes:

Streets Capital Projects

Project Title: FY 2018 Transportation Improvement Plan

Department: DPW

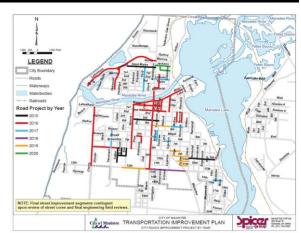
Year: FY 2018

Funding Notes:

Estimated Project Cost: \$440,000

Project Description: Heavy rehab thru resurfacing and mill & fill on various streets as identified in the TIP. Approximately 1.17 miles of Local Streets will be treated.

Project Justification\Case Statement: Maintaining and funding a TIP is a high priority for Council and has been incorporated into the proposed budget.



Impact on Operating Expenses: Should improve PASER ratings and reduce street maintenance needs.

Funding Source:	Financing Method:
□ Capital Improvement □ General □ Water & Sewer Utility □ Major\Local Street Fund □ Marina □ Boat Ramp □ Grant	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan Other

Streets Capital Projects

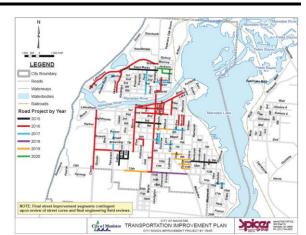
Project Title: FY 2019 Transportation Improvement Plan

Department: DPW

Year: FY 2019

Estimated Project Cost: \$790,000

Project Description: Street reconstruction with storm sewer and sidewalk on various streets as identified in the TIP, leveraging an MDOT Small Urban grant. Approximately .46 miles of Major Streets will be treated.



Project Justification\Case Statement: Maintaining and

funding a TIP is a high priority for Council and has been incorporated into the proposed budget.

Impact on Operating Expenses: Should improve PASER ratings and reduce street maintenance needs.

Funding Source:	Financing Method:
 ☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant 	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan Other

Funding Notes: The City is in a rotation to receive small urban funds. The grant funds 80% of construction. The City would fund the remaining 20% and all engineering. If the grant is not received, different, scaled-back project(s) would have to be identified.

Streets Capital Projects

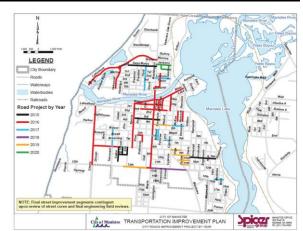
Project Title: FY 2020 Transportation Improvement Plan

Department: DPW

Year: FY 2020

Estimated Project Cost: \$1,032,000

Project Description: Street reconstruction with storm sewer; and heavy rehab thru resurfacing or mill & fill on various streets as identified in the TIP. Approximately .41 miles of Major Streets and .91 miles of Local Streets will be treated.



Project Justification\Case Statement: Maintaining and funding a TIP is a high priority for Council and has been incorporated into the proposed budget.

Impact on Operating Expenses: Should improve PASER ratings and reduce street maintenance needs.

Funding Source:	Financing Method:
 Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp 	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan Other
Grant	

Funding Notes: Assumes a Category F grant would be received. If not, projects will have to be reworked.

Streets Capital Projects

Project Title: FY 2021 Transportation Improvement Plan

Department: DPW

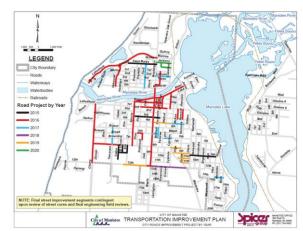
Year: FY 2021

Funding Notes:

Estimated Project Cost: \$540,000

Project Description: Street reconstruction with storm sewer on various streets as identified in the TIP. Approximately .36 miles of Local Streets will be treated.

Project Justification\Case Statement: Maintaining and funding a TIP is a high priority for Council and has been incorporated into the proposed budget.



Impact on Operating Expenses: Should improve PASER ratings and reduce street maintenance needs.

Funding Source:	Financing Method:
 ☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant 	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan Other



Municipal Buildings Capital Projects Summary

Municipal buildings capital projects are those that are directly related to improvements in the City's publicly owned buildings. The total estimated cost of all building capital projects in the six year plan is summarized below.

Municipal Buildings	_	'ear 1 Y 2017	Year 2 Y 2018	ı	Year 3 FY 2019	ı	Year 4 FY 2020	Year 5 FY 2021	Year 6 FY 2022		Total
Energy Efficiency Improvements Paint City Garage City Garage Electric Gate	\$ \$	10,000 13,000								\$ \$ \$	10,000 13,000
City Garage Salt Shed Fire Station Tuckpointing & Restoration					5	6	250,000	\$ 120,000		\$ \$	120,000 250,000
Ramsdell Chimney Rehab Fire Station Doors & Windows Fire Station Structural Repairs				\$ \$	25,000 75,000			\$ 25,000		\$ \$ \$	25,000 25,000 75,000
Fire Station Floors Police Squad Room Floor City Garage Electrical Service			\$ 8,000 8,000		80.000					\$ \$ \$	8,000 8,000 80.000
Total	\$	23,000	\$ 16,000	\$		\$	250,000	\$ 145,000	5 -	\$	614,000

The City is finalizing a Building Asset Management Plan that will further assist in identifying capital projects and preventative maintenance for City buildings which will then be used to help prepare the capital improvement plan. This plan will represent a "best practice" and will stretch the City's limited maintenance dollars.

Municipal Buildings Capital Projects

Project Title: Energy Efficiency Improvements

Department: Municipal Buildings

Year: TBD

Rebuild Michigan

Project Description: Implementing energy efficiency

projects on City buildings.

Estimated Project Cost: \$ TBD

Introductory Energy Evaluation

Project Justification\Case Statement: The City had

several of its buildings evaluated by the State of Michigan energy office a number of years ago. They issued a report detailing different areas that the City could save energy in a cost-effective manner. Examples include installing programmable thermostats, replacing incandescent lights, etc. Some of the recommendations have been completed. In addition, the City is considering engaging a contractor to do a more extensive analysis of the City buildings and identify areas that have an attractive payback.

Impact on Operating Expenses: Operating costs should be reduced because of energy savings.

Funding Source:	Financing Method:
Capital Improvement General Water & Sewer Utility Major∖Local Street Fund Marina Boat Ramp	 ☐ Cash ☐ Cash Installment ☐ Bank Installment Purchase ☐ Bond Issue ☐ Internal Loan ☐ Other
Grant	

Funding Notes: Depending on the contractor, identified work areas can save enough money that the contractor will guarantee the savings and finance the project.

Municipal Buildings Capital Projects

Project Title: Paint City Garage

Department: Municipal Buildings

Year: FY 2017

Estimated Project Cost: \$10,000

Project Description: Painting and repair of the exterior of the Department of Public Works garage. Work will be completed by Facility Manager Mark Hansen.



Project Justification\Case Statement: The DPW Garage is in need of repainting. The exterior paint is worn severely and areas are starting to rust. Repairs and a new paint job would not only improve the appearance of the garage, but help extend the life of the building without the greater cost of replacing the metal siding.

Impact on Operating Expenses: Painting should reduce maintenance costs.

Funding Source:	Financing Method:
 Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp 	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan☐ Other
Grant	

Funding Notes: This will be absorbed by the Municipal buildings and DPW operating budgets.

Municipal Buildings Capital Projects

Project Title: City Garage Electric Gate	

Department: Municipal Buildings

Year: FY 2017

Funding Notes:

Estimated Project Cost: \$13,000

Project Description: Installing an electric gate at the entrance to the City Garage property to control access and secure the grounds.



Project Justification\Case Statement: The DPW Garage

grounds have one entrance that cannot be secured. Now that the recycling facility has been moved, it would be desirable to install a gate that can be closed at the end of the day. This would help secure the garage and grounds and materials that are stored in the yard.

Impact on Operating Expenses: Small increase in electricity and maintenance.

Funding Source:	Financing Method:
□ Capital Improvement □ General □ Water & Sewer Utility □ Major\Local Street Fund □ Marina □ Boat Ramp □ Grant	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan Other

Municipal Buildings Capital Projects

Project Title: City Garage Salt Shed

Department: Municipal Buildings

Year: FY 2021

Estimated Project Cost: \$120,000

Project Description: Constructing a new and larger salt shed at the

City Garage.



Project Justification\Case Statement: The DPW Salt Shed is too small for the City's salt and sand storage needs. As a result, salt is often stored outside during the winter which can lead to undesirable runoff and clumping of the salt. The MDEQ requires that all salt be stored inside to prevent runoff. Also, the City purchases salt based on two price points. The first is the annual delivery and the second is for backup. Due to the limited storage capacity, the City typically has to purchase backup salt later in the season at higher cost.

Impact on Operating Expenses: Would reduce time spent breaking up clumps of salt and allow annual purchases at lower cost.

Funding Source:	Financing Method:
	
Boat Ramp	Other
Grant	

Funding Notes: This cost estimate is preliminary as the project has not been fully developed nor priced out by our engineer. Funding options will be explored, but money may have to be set aside over a number of years.

Municipal Buildings Capital Projects

Project Title: Fire Station Tuckpointing and Restoration

Department: Municipal Buildings

Year: FY 2020

Estimated Project Cost: \$250,000

Project Description: The exterior of the building will be cleaned and mortar joints will be repointed using approved methods for the preservation of historic buildings. Repair of other exterior areas as needed.



Project Justification\Case Statement: This historic firehouse is badly in need of repairs and maintenance in order to preserve it and keep it functional.

Impact on Operating Expenses: Should reduce maintenance costs in the future.

Funding Source:	Financing Method:
 Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp 	
X Grant	

Funding Notes: This cost estimate is not based on any professional assessment. The building has been looked at by engineers and is in need of cosmetic and structural repairs, however current funding prohibits it. Funding options will be explored, but money may have to be set aside over a number of years. Grants may also become available because this is a historic structure.

Municipal Buildings Capital Projects

Project Title: Ramsdell Theatre Chimney Preservation

Department: Municipal Buildings

Year: FY 2021

Estimated Project Cost: \$25,000

Project Description: Stabilizing and tuck pointing; or removing the top part, of the historic chimney on the

Ramsdell Theatre.



Project Justification\Case Statement: The chimney was observed to be in very poor shape when the roof was replaced several years ago. At some point it will need to be stabilized to prevent it from falling apart or becoming a safety hazard.

Impact on Operating Expenses: None

Funding Source:	Financing Method:
	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue
Marina Marina	Internal Loan
Boat Ramp	Other
⊠ Grant	

Funding Notes: This cost estimate is preliminary as the project has not been fully developed nor priced out by our engineer.

Municipal Buildings Capital Projects

Project Title: Fire Station Doors and Windows

Department: Municipal Buildings

Year: FY 2019

Estimated Project Cost: \$25,000

Project Description: Repair or replace rotting doors and windows

at the historic fire station.

Project Justification\Case Statement: Many of the wooden

doors and windows at the Fire Department are rotting away and need to be replaced. This includes the

thresholds as well.

Impact on Operating Expenses: Should have minimal impact on operating expenses.

Funding Source:	Financing Method:
 Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp 	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
Cirant	

Funding Notes: This cost estimate is preliminary as the project has not been fully developed nor priced out by our engineer. This project that can be completed in any year. It does however need to be coordinated as part of a scheme to maintain and operate the historic structure, especially considering there is other exterior work needed.

Municipal Buildings Capital Projects

Project Title: Fire Station Structural Repairs

Department: Municipal Buildings

Year: FY 2019

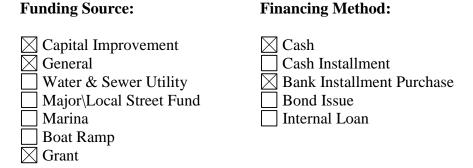
Estimated Project Cost: \$75,000

Project Description: North wall and stairway repairs

Project Justification\Case Statement: The North Wall of the fire department is pulling away from the stairwell. Currently there

are places with a 2 inch gap between the steps and the wall. Structurally it needs to be repaired or replaced before a catastrophic failure happens.

Impact on Operating Expenses: No impact on operational costs.



Funding Notes: There are no engineering recommendations for this project or factual project estimates of costs. The number is a best guess estimate and could be higher or lower depending on what is located when the wall is exposed.

Municipal Buildings Capital Projects

Project Title: Fire Station Floors

Department: Municipal Buildings

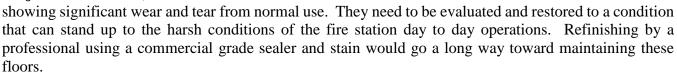
Year: FY 2018

Estimated Project Cost: \$8,000

Project Description: Restore the floors in the day room and

adjacent to Medic 5 parking spot.

Project Justification\Case Statement: The hardwood floors are



Impact on Operating Expenses: none

Funding Source:	Financing Method:
	
Grant	

Funding Notes: Assumes the current hardwood can be restored and not replaced.

Municipal Buildings Capital Projects

Project Title: Police Department Squad Room Floor

Department: Municipal Buildings

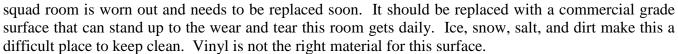
Year: FY 2018

Estimated Project Cost: \$8,000

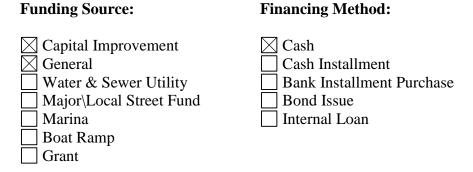
Project Description: Replace the flooring in the squad room with

more durable material.

Project Justification\Case Statement: The vinyl flooring in the



Impact on Operating Expenses: Would reduce the need for stripping and waxing.



Funding Notes: Again, there is no estimate for this project, just a best guess. The vinyl floor gets waxed twice a year however it is in poor shape within 24 hours. There is no season that is good on this vinyl floor. A commercial heavy duty surface needs to be applied that can take years of abuse.



Water & Sewer Capital Projects Summary

The Water and Sewer Utility is by far the most capital intensive operation of the City as it has the most physical assets. The total estimated cost of all Water & Sewer capital projects in the six year plan is summarized below.

Water & Sewer	Year 1 FY 2017	Year 2 FY 2018		Year 3 FY 2019		Year 4 FY 2020	Year 5 Y 2021	Year 6 Y 2022		Total
									\$	-
2015 Rand Projects	\$ 1.300.000								\$ \$	1,300,000
2015 Bond Projects Sewer Camera	\$ 1,300,000								\$	28.000
Storage Digester Maintenance	Φ 20,000		\$	95.000					\$	95,000
Otorage Digester Maintenance			Ψ	33,000					\$	33,000
Sewer I & I Suppression			\$	100,000	\$	100.000			\$	200,000
сополна подриссою			•	,	•	,			\$	-
River & Oak Valve Replacement	\$ 45,000								\$	45,000
Arthur St. Pump Station Upgrades		\$ 110,000)						\$	110,000
									\$	-
									\$	-
Equalization Basin					\$	1,500,000			\$	1,500,000
Well 9 Chemical Feed Addition		\$ 45,000)						\$	45,000
CSO #18 @ Ramsdell Closure					\$	25,000			\$	25,000
Well 9 VFD		\$ 20,000							\$	20,000
Small Meter Replacement		\$ 50,000	\$	50,000	\$	50,000			\$	150,000
									\$	-
Well 10 Chemical Feed Addition			\$	45,000					\$	45,000
									\$	-
Well 7 Rehab & Generator		TBD							\$	-
Water & Sewer Main Replacement					\$	150,000	\$ 250,000	\$ 750,000	\$ \$	1,150,000
Total	\$ 1,373,000	\$ 225,000	\$	290,000	\$	1,825,000	\$ 250,000	\$ 750,000	\$	4,713,000

The Water & Sewer Utility is an aging system that needs constant maintenance. In the past, it has been able to be proactive in addressing an aging system's needs because of adequate revenues and steady rate increases. Recent mandatory sewer separation projects have required additional rate increases and taking on more debt. Expanding the customer base, containing costs and rate increases per the rate study will be needed to ensure continued success.

The City issued a \$2.77 million water and sewer revenue bond in early 2015. It is expected that most of the projects anticipated under this bond will be completed by the end of FY 2017.

The City has received a SAW grant which will allow the water and sewer utility to develop a comprehensive water and sewer asset management plan. This will help in developing future system capital needs.



Water & Sewer Capital Projects **Project Title: 2015 Bond Projects Department:** Water, Sewer and WWTP **Year:** FY 2016 – FY 2017 **Estimated Project Cost:** \$1,300,000 (remaining projects)

Project Description: The City issued a bond in early 2015 to finance a number of capital projects and infrastructure improvements.

Project Justification\Case Statement: Projects will span at least two years and may overlap fiscal years. Completed so far are Maywood tank painting, Renaissance Park pump station generator, Industrial Park pump station upgrade, Sweetnam pump station upgrade and WWTP galley. In FY 2017 it is expected that the following projects will be started: WWTP return activated sludge pumps, Riverbank sewer line, Sixth Avenue pump station.

Impact on Operating Expenses: Indeterminate.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	☐ Cash ☐ Cash Installment ☐ Bank Installment Purchase ☐ Bond Issue ☐ Internal Loan
Funding Notes:	

Water & Sewer Capital Projects

water & Sewer Capital Projects				
Project Title: Sewer Camera				
Department: Sewer				
Year: FY 2017				
Estimated Project Cost: \$28,000)	1300		
Project Description: Procure a sewer lines.	sewer camera for inspecting			
backups, discover cross connection piece of equipment. The DPW was addressing. This device will be us times over. The original camera co- demonstrated that recent innovation	ns, and document and inventory s able to demo one for a week a sed quite frequently and is an i entemplated was not purchased. ons in camera technology have	y maintain our sewer lines, investigate y our system; a sewer camera is a crucial and discovered several items that needed investment that will pay for itself many. Further research on sewer cameras has provided new options that would better ide images in real time as the camera is		
Impact on Operating Expenses: before they become more expensive	_	wing problems to be identified and fixed		
Funding Source:	Financing Method:			
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	☐ Cash☐ Cash Installment☐ Bank Installment Purcha☐ Bond Issue☐ Internal Loan	ase		
Funding Notes:				

Funding Notes:

FY 2017 – 2022 Capital Improvement Plan

Water & Sewer Capital Projects				
Project Title: Storage Digester Painting				
Department: WWTP				
Year: FY 2019				
Estimated Project Cost: \$95,000				
Project Description: Clean, repair and repaint the Stigester Cover.	Storage			
solids. Last fall the tank was emptied, cleaned and				
Impact on Operating Expenses: No impacts on o	perating expense would be anticipated.			
Funding Source: Financing M	ethod:			

Capital Improvement **Cash** General Cash Installment Water & Sewer Utility Major\Local Street Fund Bank Installment Purchase Bond Issue Marina Internal Loan Boat Ramp Grant

Water & Sewer Capital Projects

Project Title: Sewer Infiltration & Inflow Suppression

Department: Sewer

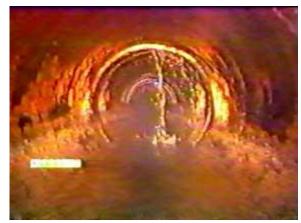
Year: FY 2019 & FY 2020

Estimated Project Cost: \$200,000

Project Description: To address inflow and infiltration to

the sanitary sewers.

Project Justification\Case Statement: The sanitary sewer evaluation study (SSES) and SAW grant will document where remaining freshwater is entering the



system. The studies will likely recommend physical construction to reduce sources of inflow and infiltration. This will reduce the size of the retention basin needed to close off the last CSO.

Impact on Operating Expenses: Should reduce operating cost during wet weather events as less flow is coming to the WWTP.

Funding Source:	Financing Method:		
☐ Capital Improvement Fund ☐ Water & Sewer Utility ☐ Marina			
☐ Boat Ramp ☐ Grant	Internal Loan		

Funding Notes: The ultimate cost and corresponding financing of the project will be determined by the results of the SSES study and SAW Grant.

Water & Sewer Capital Projects

	1	J	
Project Title: River & Oak Valve	Replacement		
Department: Water			
Year: FY 2017			
Estimated Project Cost: \$45,000			The state of the s
Project Description: Replace four with the fire hydrant at the intersection of			
Project Justification\Case Statem water main valves located under the valves running east and west which broken, causing issues with water que do the replacement. While the intersouth valves which feed the water ling. This work needs to be done prior to be	intersection. The two ch feed River St. are uality and fire protection section is open it is a content of the c	onvenient time to replace the ag	ging north and
Impact on Operating Expenses: C	perating costs will like	ely not change.	
Funding Source:	Financing Method:		
☐ Capital Improvement ☐ General			

Bank Installment Purchase

Bond Issue

Internal Loan

Funding Notes:

Marina

Boat Ramp
Grant

Water & Sewer Utility
 Major∖Local Street Fund

Water & Sewer Capital Projects

Project Title: Arthur Street Pump Station Upgrades

Department: WWTP

Year: FY 2018

Estimated Project Cost: \$110,000

Project Description: Upgrade this pump station with a new pump, generator, flow meter and other maintenance items.

Project Justification\Case Statement: The development of the Joslin Cove Condominiums resulted in a permit



condition from MDEQ that the pump station be reviewed and upgraded to meet current and future capacity. Last year the City Engineer completed a full station analysis and capacity study. The engineers recommend replacing one of the station's pumps, installation of an emergency generator, installation of a flow meter and other maintenance items. The waste stream from the prison is conveyed through this pump station so keeping it in good working order is critical.

Impact on Operating Expenses: Increased fuel expense, depending on usage.

Funding Source:	Financing Method:		
Capital Improvement Fund			
	Cash Installment		
☐ Marina	Bank Installment Purchase		
☐ Boat Ramp	☐ Bond Issue		
Grant	Internal Loan		

Funding Notes: There is a chance that this pump station upgrade can be fully or partially paid for by the developers of Joslin Cove thru the County Brownfield Redevelopment Authority, once the project restarts.

Water & Sewer Capital Projects

Project Title: Equalization Basin

Department: WWTP

Year: FY 2020

E. din a Carresa

Estimated Project Cost: \$1,500,000 to \$3,000,000

Project Description: Construction of a new equalization

basin

Project Justification\Case Statement: Though the City



has separated all of its sewer systems, the WWTP continues to receive Inflow and Infiltration in higher volumes than can be treated. During spring thaws and year round rain events, the WWTP must restrict the incoming flows to its capacity limits. Combined sewage then fills the collection system. At times the collection system fills to a point where it is discharged to Manistee Lake in order to avoid basement flooding. Our current NPDES permit requires us to end those discharges by 2016. Part of the solution is to construct tankage either above or below ground to temporarily store the combined sewage until the WWTP can treat it. The SSES and SAW grants will be crucial in helping size this facility appropriately.

Impact on Operating Expenses: This will increase operating expenses because the sewage will either need to be pumped in or out of the basin and there will be more assets to maintain. The additional expense will be partially offset by leveling out the flows to the WWTP, allowing it to operate more efficiently.

Einen eine Metheel

runding Source:	rmancing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility	Cash Cash Installment Bank Installment Purchase
☐ Major\Local Street Fund	Bond Issue
Marina	Internal Loan
Boat Ramp	Other
Grant	

Funding Notes: Funding could be cash, grant or bond; or some combination thereof. This will be determined when the scope of the project is better defined.

Water & Sewer Capital Projects

Project Title:	Well # 9 Chemical Feed Addition	

Department: Water

Year: FY 2018

Estimated Project Cost: \$45,000

Project Description: Add building space to the well house to contain chemicals and chemical feed equipment.

Project Justification\Case Statement: At this time corrosive chemicals and chemical feed equipment are housed in the same building space as process controls and



electrical equipment. Corrosive chemicals damage this equipment, shortening the life span of the components. Adding a new space will eliminate this problem and save money in the long term.

Impact on Operating Expenses: Operating costs will likely decrease due to less maintenance issues on electrical equipment and controls.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant Funding Notes:	 ☐ Cash ☐ Cash Installment ☐ Bank Installment Purchase ☐ Bond Issue ☐ Internal Loan

OVERFLOW NO. 018

LOCATED AT THE INTERSECTION OF 5TH AND RAMSDELL STREETS NOT TO SCALE 'EPL & SLD 7-28-66

Water & Sewer Capital Projects

Project Title: Closure of CSO#18 at 5th & Ramsdell St.

Department: Sewer

Year: FY 2020

Estimated Project Cost: \$25,000

Project Description: Close off last remaining combined

sewer outfall per state mandated schedule.

Project Justification\Case Statement: This closure is required by the MDEQ in our NPDES permit by 2016 as

the final item in our fixed date schedule for CSO elimination. This will likely be extended in the new

permit.

Impact on Operating Expenses: None.

Funding Source:	Financing Method:		
☐ Capital Improvement Fund☐ Water & Sewer Utility☐ Marina☐ Boat Ramp☐ Grant	 		

Funding Notes: Eligible for SRF financing.



	Water & Sewer Capital Projects	
Project Title: Well 9 VFD		
Department: Water Department		
Year: FY 2018		
Estimated Project Cost: \$20,00	00	
Project Description: Installing a	a VFD on Well 9.	• Ann belley Proverties
•	ement: Variable frequency drives have efficient and place less wear and tear on stituted this technology.	
Impact on Operating Expenses prolonged lifespan of well motor.	: Reduction in energy consumption and	
Funding Source:	Financing Method:	
☐ Capital Improvement ☐ General ☑ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan	
Funding Notes:		

Water & Sewer Capital Projects

Project Title: Water Meter Replacement (small)

Department: Water

Year: FY 2018 to FY 2020; ongoing

Estimated Project Cost: \$50,000 annually minimum.

This could be done all at once with financing.

Project Description: Replace residential meters.

Project Justification\Case Statement: The vast majority of revenues generated by the water and sewer department are derived from water meter reads. Water meters age and



will inevitably record lower flow rates over time. The City undertook a City wide initiative to replace and upgrade all its residential meters in the late 80's early 90's. The life expectancy of the meters are approximately 20 years. In recent years we have been replacing failed meters at a rate of 80 per year. With 4,200 of these meters in service we would like to begin replacing them at a rate of 350 per year. Replacing them will increase the accuracy and billing for consumption and increase revenue.

Impact on Operating Expenses: Operating costs will eventually decrease as the failure rate drops. Revenue should increase.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	
Grant	

Funding Notes: Customers may bear some of this cost. A cost benefit analysis will be conducted prior to undertaking this program.

Water & Sewer Capital Projects

Project Title: Well #10 Chemical Feed Building

Department: Water

Year: FY 2019

Estimated Project Cost: \$45,000

Project Description: Add building space to the well house to contain chemicals and chemical feed equipment.

Project Justification\Case Statement: At this time corrosive chemicals and chemical feed equipment are housed in the same building space as process controls and electrical equipment.



Corrosive chemicals damage this equipment, shortening the life span of the components. Adding a new space will eliminate this problem and save money in the long term.

Impact on Operating Expenses: Operating costs will likely decrease due to less maintenance issues on electrical equipment and controls.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☑ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant Funding Notes:	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan
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Water & Sewer Capital Projects

Project Title: Water & Sewer Main Replacements

Department: Water & Sewer

Year: FY 2020 and ongoing

Funding Notes:

Estimated Project Cost: \$150,000 first year

Project Description: The water and sewer rate study plotted out a financial plan whereby we begin funding our depreciation in a few years. As bond debt begins to drop off, we can cash fund repairs and replacements of old, failing or undersized water and sewer mains. This work will be conducted in coordination with the Transportation Improvement Plan.



Project Justification\Case Statement: Replacing mains that need it but we could not afford to do in the past simply makes good sense and will increase the reliability of our system, as well as improving water quality.

Impact on Operating Expenses: Should reduce maintenance expense.

Funding Source:	Financing Method:
☐ Capital Improvement Fund☐ Water & Sewer Utility☐ Marina☐ Boat Ramp☐ Grant	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan

Water & Sewer Capital Projects							
Project Title: Well 7 Rehab & Generator							
Department: Water							
Year: 2019-2020							
Estimated Project Cost: TBD							
Project Description: Complete rew	work of Well 7 including new motor and pump, generator and controls.						
clean water initiative program. We be the most challenging to place ba- well in an attempt to reduce chloride	ent: The cleaning and repairs to Well 7 is part of the water department ll 7 has high iron content and is known as the "rust bucket" and will ck into production. It will be turned into a lower volume production es. Prior to a decision being made to renovate this well, it needs to be capacity without this well and\or if a new well in a different aquifer						
Impact on Operating Expenses: efficiency, thus reducing operating of	The cleaning and repairs of water wells should increase the pump cost.						
Funding Source:	Financing Method:						
☐ Capital Improvement Fund ☐ Water & Sewer Utility ☐ Marina ☐ Boat Ramp ☐ Grant	 						

Funding Notes: Potentially eligible for DWRF financing.



Municipal Marina Capital Projects Summary

Municipal Marina capital projects are those that are related to the City's marina operations. The total estimated cost of all marina capital projects in the six year plan is summarized below.

Municipal Marina	ear 1 ' 2017	Year FY 20		Year 3 FY 2019	Year 4 FY 2020	Year 5 FY 2021	Year 6 Y 2022	1	otal
Accessible Door Opener Dock Upgrades & Replacement	\$ 6,500				\$ 20,000	\$ 20,000	\$ 20,000	\$ \$ \$ \$ \$	6,500 60,000 - - - - -
Total	\$ 6,500	\$	-	\$ -	\$ 20,000	\$ 20,000	\$ 20,000		\$66,500

Having completed several capital projects over the past few years, including the replacement of the Marina building, has put the Marina in good shape physically. However, depending on water levels, it may be necessary to lower or raise the docks in the future to effectively and conveniently accommodate boats. In addition, our large 70' docks are in need of replacement. This will be explored over the coming years; however, the Marina has significant financial constraints.

Marina Capital Projects

Project Title: Upper Level Accessible Door Opener

Department: Marina

Year: FY 2017

Estimated Project Cost: \$6,500

Project Description: The upper level Marina room is used as a voting location for Precinct 1, as well a public rental space. The building is handicap accessible, but the addition of an automatic door opener would make accessibility more convenient. This would be similar to the opener on the lower level at City Hall.

Project Justification\Case Statement: Adding an enhanced level of accessibility to a public facility with multiple uses is in the public interest.



Impact on Operating Expenses: Operating costs could increase some over time as the door will be more costly to maintain that a regular door.

Funding Source:	Financing Method:
Capital Improvement General Water & Sewer Utility Major∖Local Street Fund Marina Boat Ramp Grant	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
Grant	

Funding Notes: If approved, this project may get started in the current fiscal year to ensure it is complete by the August primary election.



Grant

FY 2017 – 2022 Capital Improvement Plan

Marina Capital Projects **Project Title: Dock Upgrades & Replacement Department:** Marina **Year:** FY 2020 to start Estimated Project Cost: \$20,000 each year **Project Description:** The large 70' docks have deteriorated and need to be replaced. Docks may need to be raised or lowered. **Project Justification\Case Statement:** The Marina needs to have sturdy, accessible, convenient docks to continue attracting boaters. Depending on water levels, some docks may become practically unuseable. Impact on Operating Expenses: Operating costs will decrease as there will be less frequent repairs needed. **Funding Source: Financing Method:** Capital Improvement X Cash General Cash Installment Water & Sewer Utility Bank Installment Purchase Major\Local Street Fund Bond Issue Marina Marina Internal Loan **Boat Ramp**

Funding Notes: This project will likely not proceed without grant funding.



Boat Launch Capital Projects Summary

Boat Launch capital projects are those that are related to the City's three boat launches. The total estimated cost of all Boat Launch capital projects in the five year plan is summarized below.

Boat Launch	Year 1 FY 2017	Year 2 FY 2018	Year 3 FY 201			Year 6 Y 2022		Total
New Auto-Attendant 9th St Launch Accessibility for Paddlers		TBD	\$ 15,0	000		\$ 325,000	5 5 5 5 5 5 5	15,000 325,000 - - - - -
Total	\$ -	\$ -	\$ 15,0	000 \$	- \$ -	\$ 325,000		\$340,000

9th St

Boat Ramps Capital Projects

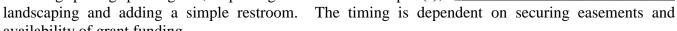
Project Title: Ninth Street Boat Launch Renovations

Department: Boat Launch

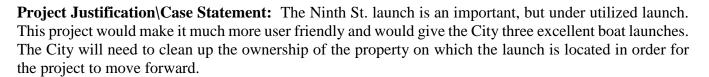
Year: FY 2022

Estimated Project Cost: \$325,000

Project Description: Renovation of the Ninth St. Boat launch including paving parking lot, replacing dock and skid pier(s),



availability of grant funding.



Impact on Operating Expenses: Operating costs will increase as there is more to maintain.

Funding Source:	Financing Method:
Capital Improvement General Water & Sewer Utility Major∖Local Street Fund Marina Boat Ramp	☐ Cash☐ Cash Installment☐ Bank Installment Purchase☐ Bond Issue☐ Internal Loan
⊠ Grant	

Funding Notes: The site has been included on the "Explore the Shores" list of candidate sites. The project will likely be funded with a mix of grants, including the GLFT and Waterways. Likely local match will be \$80,000. If grants are not received, the project will have to be postponed.

Boat Ramps Capital Projects

Project Title: First Street Boat Launch Auto Attendant Replacement

Department: Boat Launch

Year: FY 2019

Estimated Project Cost: \$15,000

Project Description: The existing boat launch auto attendant is reaching the end of its useful life. In addition, it may not be able to be economically upgraded to the required credit card chip and pin technology. When it is replaced, it should have greater functionality, perhaps dispensing a sticker and also having better reporting and monitoring capability. A replacement machine will have to be researched thoroughly.

Project Justification\Case Statement: The auto-attendant has saved thousands of dollars in labor costs since installation and is vital to the boat launch operation.



Impact on Operating Expenses: Operating costs should be flat.

Funding Source:	Financing Method:
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant	Cash Cash Installment Bank Installment Purchase Bond Issue Internal Loan
1 Chant	

Funding Notes: The boat launch should have ample reserves to replace the auto-attendant.

Boat Ramps Capital Projects						
Project Title: Accessiblity for Pa	ddlers					
Department: Boat Launch						
Year: TBD		A A				
Estimated Project Cost: TBD						
Project Description: Update Launch Sites to include Universally Accessible Kayak Launch						
Project Justification\Case Statement: The County is working on a County Wide Recreation Plan that includes Blue Trails for paddlers. The addition of launch sites in the City of Manistee that provide paddlers of all abilities a safe way to launch and land smoothy will make Manistee a premier destination for paddle enthusists. Impact on Operating Expenses: Operating expenses should be similar to maintaining expenses.						
facilities						
Funding Source:	Financing Method:					
☐ Capital Improvement ☐ General ☐ Water & Sewer Utility ☐ Major\Local Street Fund ☐ Marina ☐ Boat Ramp ☐ Grant		e				
Funding Notes:						





Motor Pool Capital Projects Summary

Motor Pool capital projects are those that are related to the City's extensive fleet of vehicles and equipment. The total estimated cost of all Motor Pool capital projects in the six year plan is summarized below.

Motor Pool		Year 1 Y 2017	Year 2 FY 2018	Year 3 FY 2019	Year 4 FY 2020	Year 5 FY 2021	Year 6 -Y 2022		Total
Pickup with Utility Box Police Interceptor Utility Loader V-Plow F-350 V-Plow Kubota	\$ \$ \$ \$	60,000 38,000 200,000 7,000 3,800						\$ \$ \$ \$ \$ \$	60,000 38,000 200,000 7,000 3,800
Year 2 FY 2018 Estimate			\$ 375,000					\$ \$	375,000
Year 3 FY 2019 Estimate				\$ 375,000				\$ \$ \$	375,000
Year 4 FY 2020 Estimate					\$ 375,000			\$ \$	375,000
Year 5 FY 2021 Estimate						\$ 375,000		\$ \$	375,000
Year 6 FY 2022 Estimate							\$ 375,000	\$ \$ \$	375,000 - -
Total	\$	308,800	\$ 375,000	\$ 375,000	\$ 375,000	\$ 375,000	\$ 375,000	\$	2,183,800

Motor Pool purchases and resulting cash flows fluctuate considerably based on an ongoing evaluation of the vehicles and equipment and the current cash reserves and interest rate environment. Administration is continually updating the motor pool forecasting model so it can better plan and project future needs, thus no out year forecast is included here. However, costs are expected to be a minimum of \$375,000 per year so that number is used as a placeholder in the plan.

Motor Pool Projects

Project Title: FY 2017 Motor Pool Purchases

Department: Motor Pool

Year: FY 2017

Estimated Project Cost: \$308,800

Project Description: Scheduled motor pool purchases of:

1. Fire Pickup w/ Utility Box

- 2. Police Interceptor Utility
- 3. Loader
- 4. V-Plow F-350
- 5. V-Plow Kubota



Project Justification\Case Statement: The Motor Pool maintains a multi-year plan for replacement of its vehicles and equipment. This plan is based on estimates of useful life of the asset. However, each piece of equipment is continually evaluated to determine when it actually needs replacement. The equipment listed here was deemed the items that made the most sense, and would provide the most benefit to the organization, if they were replaced or acquired.

Impact on Operating Expenses: Operating costs will likely decrease as maintenance costs should decline.

Funding Source:	Financing Method:
Capital Improvement General Water & Sewer Utility Major\Local Street Fund Marina Boat Ramp Motor Pool	
Grant	

Funding Notes: Depending on a variety of factors, including interest rates, these will either be paid in cash or financed through an installment purchase contract or capital lease.